

PATENT ABSTRACTS OF JAPAN

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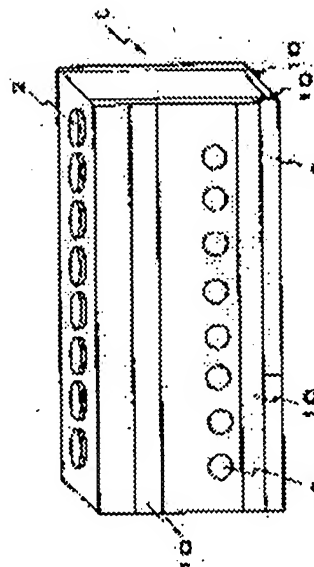
(54) REACTION TUBE CASSETTE

(57)Abstract:

PURPOSE: To elevate the wear resistance and heat conductivity, by providing an optical path hole on the side of a reaction tube cassette made of metal with a better heat conductivity while a wear resistant member is provided at a contact sliding part with a heat plate.

CONSTITUTION: A reaction tube cassette C is made of aluminum, copper or the like with a better heat conductivity and a hole 8 is provided on the side thereof to serve as optical path in the measurement of light.

Then, a wear resistant member 20 coated with ceramics or a ceramic composite material is provided on both sides and the bottom of the cassette as contact sliding part with a heat plate. With such an arrangement, even when the reaction tube cassette C is moved sliding at a high speed in contact with the heat plate, there is no wear both in the reaction tube cassette C and the wear resistant member 10. This can prevent the generation of a play and the like to position the reaction tube cassette C correctly at the light measuring position thereby assuring a highly accurate measurement.



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